



**Math 1350-101CL**  
**Mathematics for Teachers I**  
**FALL 2021**

**Lecture: 2:00pm – 3:20pm MW STEAM Room 107**

**Instructor Information:** Gabriela Peña, [gpena3@com.edu](mailto:gpena3@com.edu)

Office: **STEAM 325-07**

Office Phone #: 409-933-8182

Google Voice #: 409-242-0281

**Student hours and location:** Office Hours are in my office

Tuesday & Thursday 8:30 am – 9:30 am **STEAM 325-07**

Wednesday 3:30 pm – 6:00 pm **STEAM 325-07**

Virtual Office Hours via Zoom, schedule the meeting via

<https://calendly.com/gpena3>

Monday 3:30 pm – 6:00 pm

**Required Textbook:** The textbook for this course is:

Mathematics for Elementary Teachers by Musser, Peterson, Burger (10th ed.) The companion website is <http://www.wiley.com/college/musser>.

**Textbook Purchasing Statement:** A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

**Course Description:** Math 1350 is the first course in a two-semester course sequence designed to meet the mathematics requirements for students seeking to obtain an elementary teaching certificate. The course is a set theory approach to the development of the real number system, fundamental operations and concepts of arithmetic, systems of numeration, number theory with an emphasis on problem solving strategies and critical thinking.

**Course requirements:**

**HW/Daily Assignments:** Students will be assigned homework, and a grade will be taken, for each section that we cover in the book and lectures. Look at the course outline on page 4, to know when your homework assignments are due. You are expected to show work on all your homework assignments. You have until test day to submit the homework as a late assignment; however, there will be a grade penalty of 25 points deducted from the grade for the late set of assignments. Homework is to be submitted via Blackboard and will be graded via Blackboard. (if you have any questions about how to do this, let me know ASAP).

**Discussion Board/Project:** There will be weekly discussion board questions on Blackboard. To receive your points for this, you must comment on the weekly discussion questions, and reply to someone's comment.

**Quizzes:** There will be quizzes over specific sections. The quizzes are not allowed to be late.

**Exams:** There will be four, chapter exams and a comprehensive final. There are no retakes on any of the exams, and students are expected to complete the exam within an allotted time. The dates of the exams and the sections covered on each exam are shown in the course outline. Exams will be in person.

**Determination of Course Grade/Detailed Grading Formula:**

The course grade will be determined by the following formula:

$$\begin{array}{r} 60\% \text{ Exam Average} \\ 10\% \text{ HW/Daily, Discussion Board Average} \\ 10\% \text{ Quiz, Project Average} \\ \hline + 20\% \text{ Final Exam} \\ \hline 100\% \text{ Final Grade} \end{array}$$

Grading Scale:

Grade A: Final Average in [89.5, 100]

Grade B: Final Average in [79.5, 89.5)

Grade C: Final Average in [69.5, 79.5)

Grade D: Final Average in [59.5, 69.5)

Grade F: Final Average in [0, 59.5)

**Attendance Policy:** Students at COM are encouraged to attend and participate in every session of all classes for which they are registered. Regular commitment to attend and/or view the recordings on Blackboard Collaborate Ultra and any additional Videos is a critical component to being successful in this course. There is a strong correlation between no commitment and failing grades. It is extremely difficult to succeed in this course without putting in the time to viewing the lessons and doing your assignments.

**Communicating with your instructor:** ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means. (Faculty may add additional statement requiring monitoring and communication expectations via Blackboard or other LMS)

<b>Student Learner Outcome</b>	<b>Maps to Core Objective</b>	<b>Assessed via this Assignment</b>
1. Explain and model the arithmetic operations for whole numbers and integers.	Empirical and Quantitative Skills (EQS)	Exam 4
2. Explain and model computations with fractions, decimals, ratios, and percentages	Empirical and Quantitative Skills (EQS)	Exam 3
3. Describe and demonstrate how factors, multiples, and prime numbers are used to solve problems.	Critical Thinking Skills (CT)	Exam 2
4. Apply problem solving skills to numerical applications.	Critical Thinking Skills (CT)	Problem-Solving Project(Quiz)
5. Represent and describe relationships among sets using the appropriate mathematical terminology and notation.	Visual Communication Skills (CS)	Exam 1
6. Compare and contrast structures of numeration systems.	Critical Thinking Skills (CT)	Exam 1

**Academic Dishonesty:** College of the Mainland is committed to a high standard of academic integrity. All students are responsible for honesty and independent effort. Incidents of academic and scholastic dishonesty (including cheating, plagiarism, and collusion) will be dealt with in a manner that is consistent with college policy and the Student Handbook. Any student found to have been academically dishonest on an assignment, quiz or exam will receive a zero for that assignment, quiz or exam and he or she will be referred to the Office of Student Conduct for further disciplinary action. Please read the sections on Standards of Student Conduct and Discipline and Penalties in the on-line Student Handbook.

**Student Concerns:** If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact the Department Chair, Mr. Leslie Richardson at (409)933-8329 or [lrichardson@com.edu](mailto:lrichardson@com.edu)

**Course outline:**

Week	Dates	Math 1350	Due Dates
1	August 23, 25	Syllabus 1.1 The Problem-Solving Process and Strategies 1.2 Three Additional Strategies	All Week 1 assignments are due 8/29/21 by 11:59PM
2	August 30, Sept. 1	2.1 Sets as a Basis for Whole Numbers 2.2 Whole Numbers and Numeration <b>Quiz 2.1-2.3</b> <b>(Problem-Solving Project assigned)</b>	All Week 2 assignments are due 9/7/21 by 11:59PM
3	September 8	2.3 The Hindu-Arabic System 3.1 Addition and Subtraction 3.2 Multiplication and Division	All Week 3 assignments are due 9/13/21 by 11:59PM
4	September 13, 15	3.3 Ordering and Exponents Review <b>Exam 1 (Ch. 2, 3) (In person on 9/15/2021)</b>	All Week 4 assignments are due 9/19/21 by 11:59PM
5	September 20, 22	4.1 Mental Math, Estimation, and Calculators 4.2 Written Algorithms for Whole-Number Operations	All Week 5 assignments are due 9/26/21 by 11:59PM
6	September 27, 29	4.3 Algorithms in Other Bases <b>Quiz 4.1-4.3</b> 5.1 Primes, Composites, and Tests for Divisibility	All Week 6 assignments are due 10/3/21 by 11:59PM
7	October 4, 6	5.2 Counting Factors, GCF, LCM Review <b>Exam 2 (Ch. 4, 5) (In person on 10/6/2021)</b>	All Week 7 assignments are due 10/10/21 by 11:59PM
8	October 11, 13	6.1 The Set of Fractions 6.2 Addition and Subtraction	All Week 8 assignments are due 10/17/21 by 11:59PM
9	October 18, 20	6.3 Fractions: Multiplication and Division <b>Quiz 6.1-6.3</b> 7.1 Decimals	All Week 9 assignments are due 10/24/21 by 11:59PM
10	October 25, 27	7.2 Operations with Decimals 7.3 Ratio and Proportion	All Week 10 assignments are due 10/31/21 by 11:59PM
11	November 1, 3	7.4 Percent Review Exam 3 <b>Exam 3 (Ch. 6, 7) (In person on 11/3/2021)</b>	All Week 11 assignments are due 11/7/21 by 11:59PM
12	November 8, 10	8.1 Addition and Subtraction 8.2 Multiplication, Division, and Order <b>Quiz 8.1-8.2</b>	All Week 12 assignments are due 11/14/21 by 11:59PM
13	November 15, 17	9.1 The Rational Numbers 9.2 The Real Numbers 9.3 Relations and Functions	All Week 13 assignments are due 11/21/21 by 11:59PM
14	November 22, 24	9.4 Functions and Their Graphs Review Exam 4	All Week 14 assignments are due 11/28/21 by 11:59PM
15	November 29, Dec. 1	<b>Exam 4 (Ch 8, 9) (In person on 11/29/2021)</b> Review for Final Exam	All Week 15 assignments are due 12/5/21 by 11:59PM
16	December 6, 8	<b>Review for Final Exam</b> <b>Final Exam (In person on 12/8/2021)</b>	All Week 16 assignments are due 9/13/21 by 11:59PM

**PLEASE NOTE:** The syllabus is subject to change at the discretion of the instructor.

Census Day – September 8, 2021

W-Day – November 19, 2021

## Institutional Policies and Guidelines

**Grade Appeal Process:** Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook. <[https://build.com.edu/uploads/sitecontent/files/student-services/Student\\_Handbook\\_2019-2020v5.pdf](https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf). *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.* [https://build.com.edu/uploads/sitecontent/files/student-services/Student\\_Handbook\\_2019-2020v5.pdf](https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf)

**Academic Success & Support Services:** College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

**ADA Statement:** Any student with a documented disability needing academic accommodations is requested to contact Holly Bankston at 409-933-8520 or [hbankston@com.edu](mailto:hbankston@com.edu). The Office of Services for Students with Disabilities is located in the Student Success Center.

**Counseling Statement:** Any student needing counseling services is requested to please contact Holly Bankston in the student success center at 409-933-8520 or [hbankston@com.edu](mailto:hbankston@com.edu). Counseling services are available on campus in the student center for free and students can also email [counseling@com.edu](mailto:counseling@com.edu) to set up their appointment. Appointments are strongly encouraged; however, some concerns may be addressed on a walk-in basis.

**Textbook Purchasing Statement:** A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

**Withdrawal Policy:** Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1<sup>st</sup> 8-week session is October 6. The last date to withdraw from the 16-week session is November 19. The last date to withdraw for the 2<sup>nd</sup> 8-week session is December 2.

**F<sub>N</sub> Grading:** The F<sub>N</sub> grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The F<sub>N</sub> grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the F<sub>N</sub> grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an F<sub>N</sub> grade.

**Early Alert Program:** The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty

completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

**COVID-19 Statement:** All students, faculty, and staff are expected to familiarize themselves with materials and information contained on the College of the Mainland's Coronavirus Information site at [www.com.edu/coronavirus](http://www.com.edu/coronavirus). In compliance with Governor Abbott's May 18 Executive Order, face coverings/masks will no longer be required on COM campus. Protocols and college signage are being updated. We will no longer enforce any COM protocol that requires face coverings. We continue to encourage all members of the COM community to distance when possible, use hygiene measures, and get vaccinated to protect against COVID-19. Please visit [com.edu/coronavirus](http://com.edu/coronavirus) for future updates.